Fig. 1a
(Prior Art)

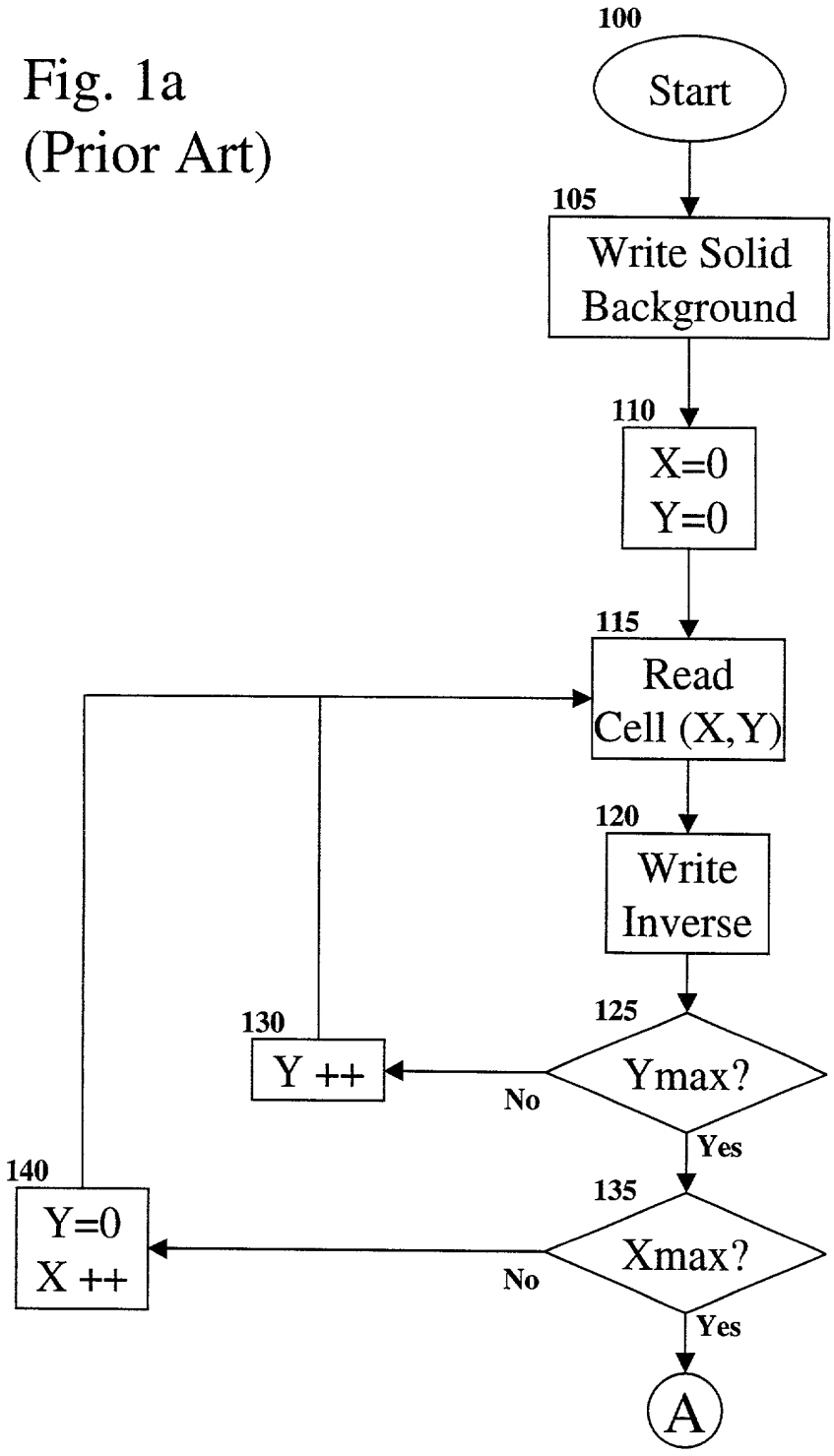


Fig. 1b
(Prior Art)

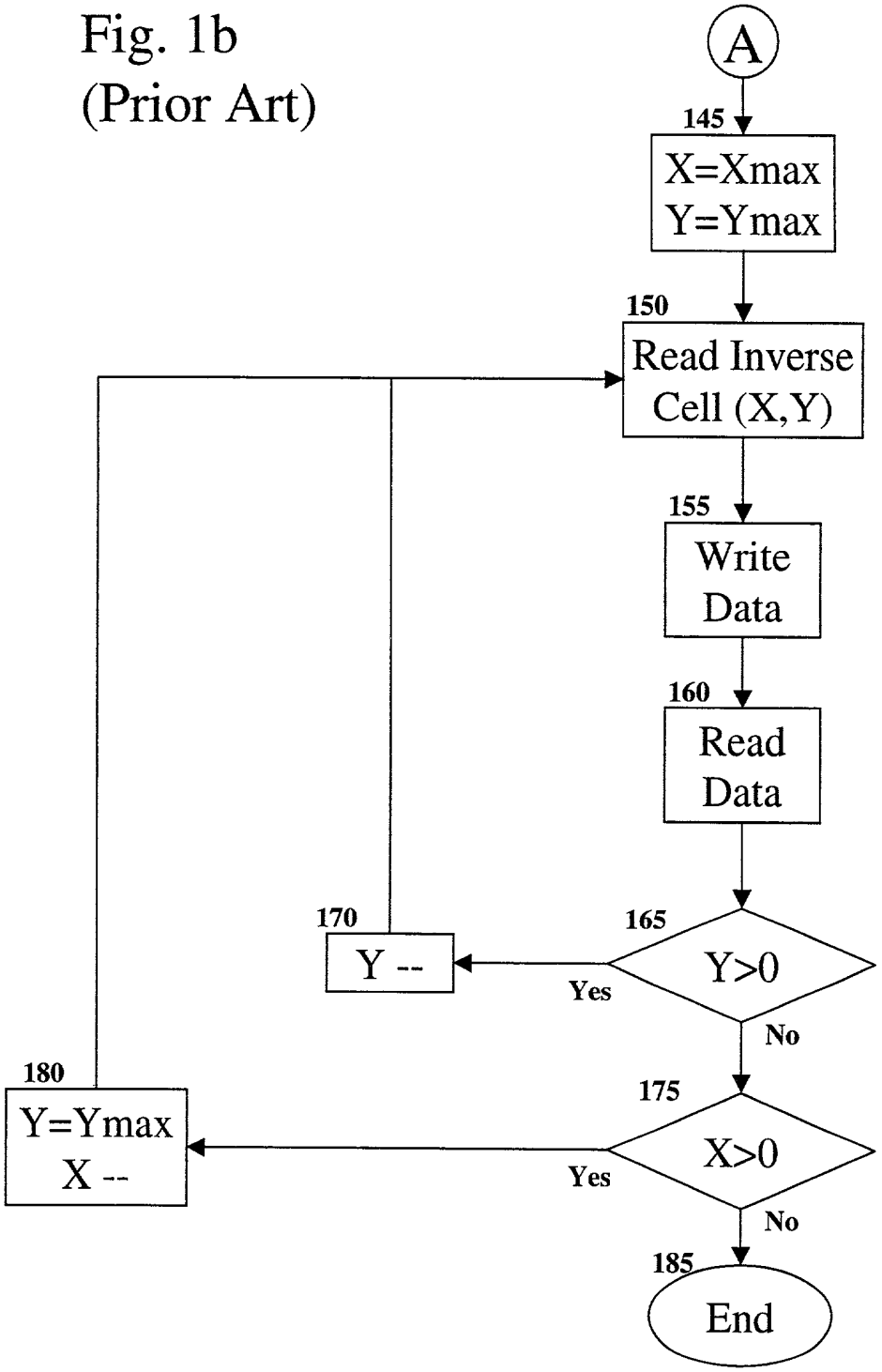


Fig. 2
(Prior Art)

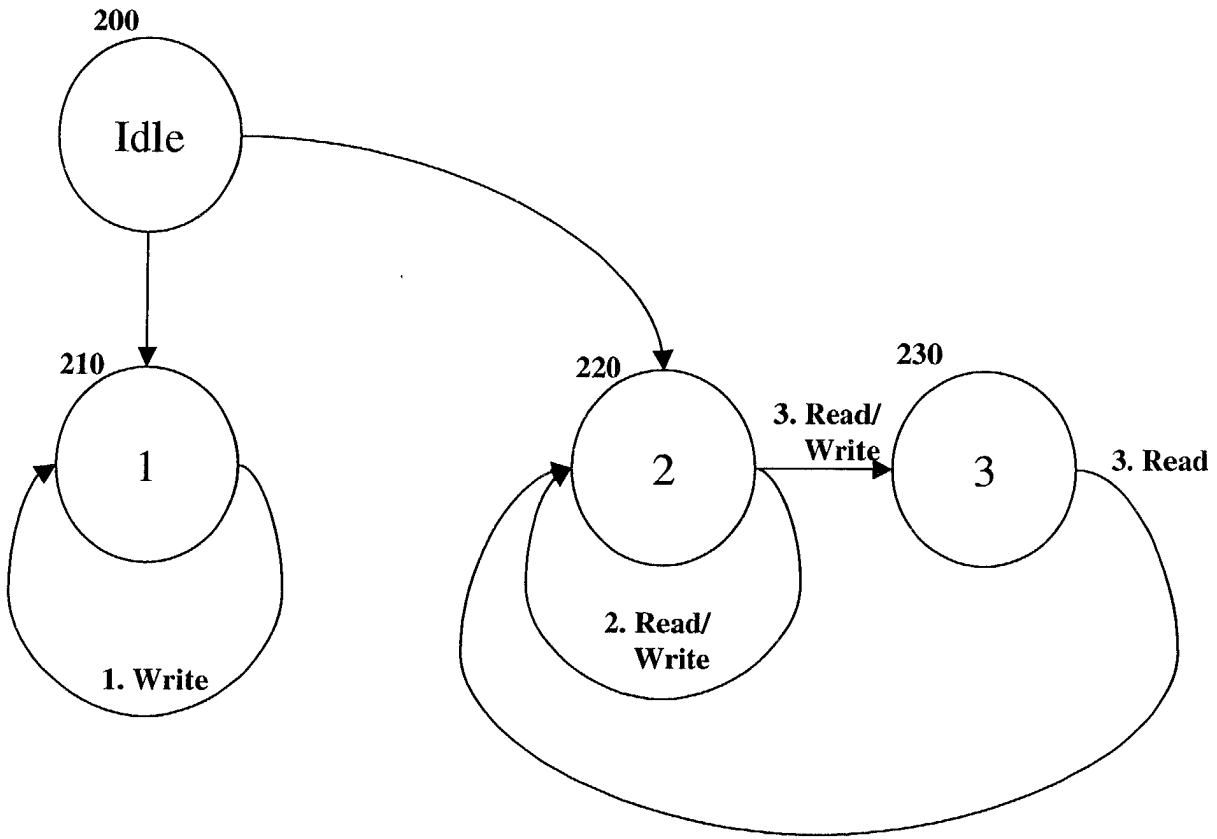


Figure 3a
(Prior Art)

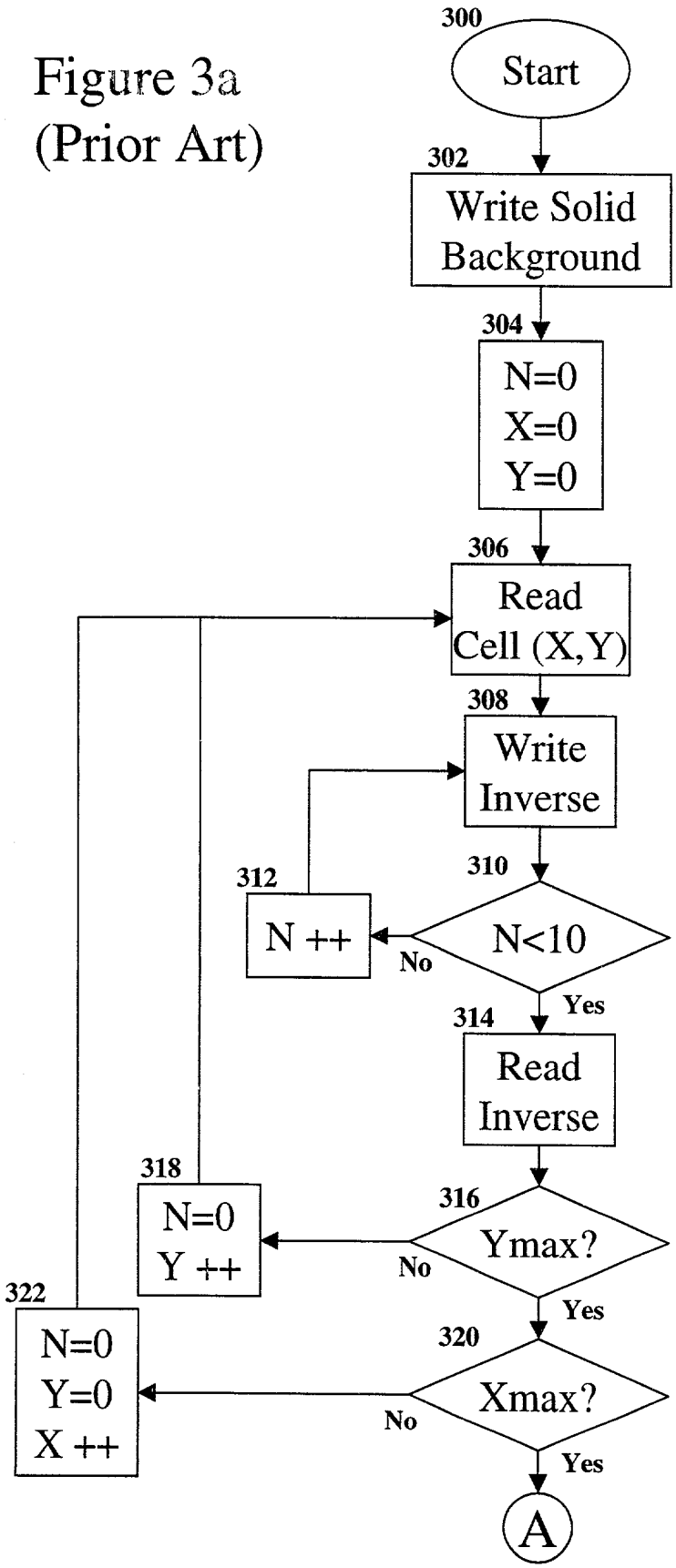


Figure 3b
(Prior Art)

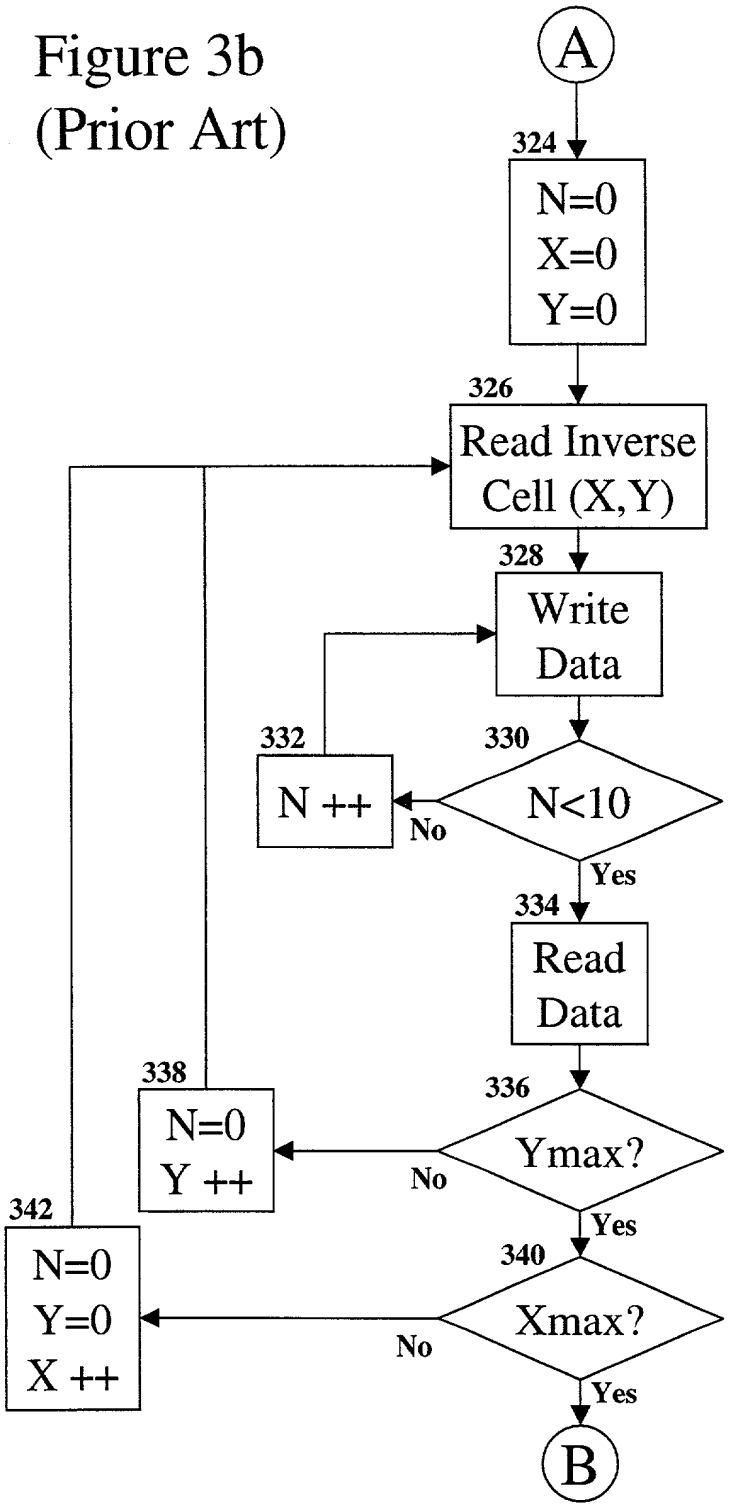


Figure 3c
(Prior Art)

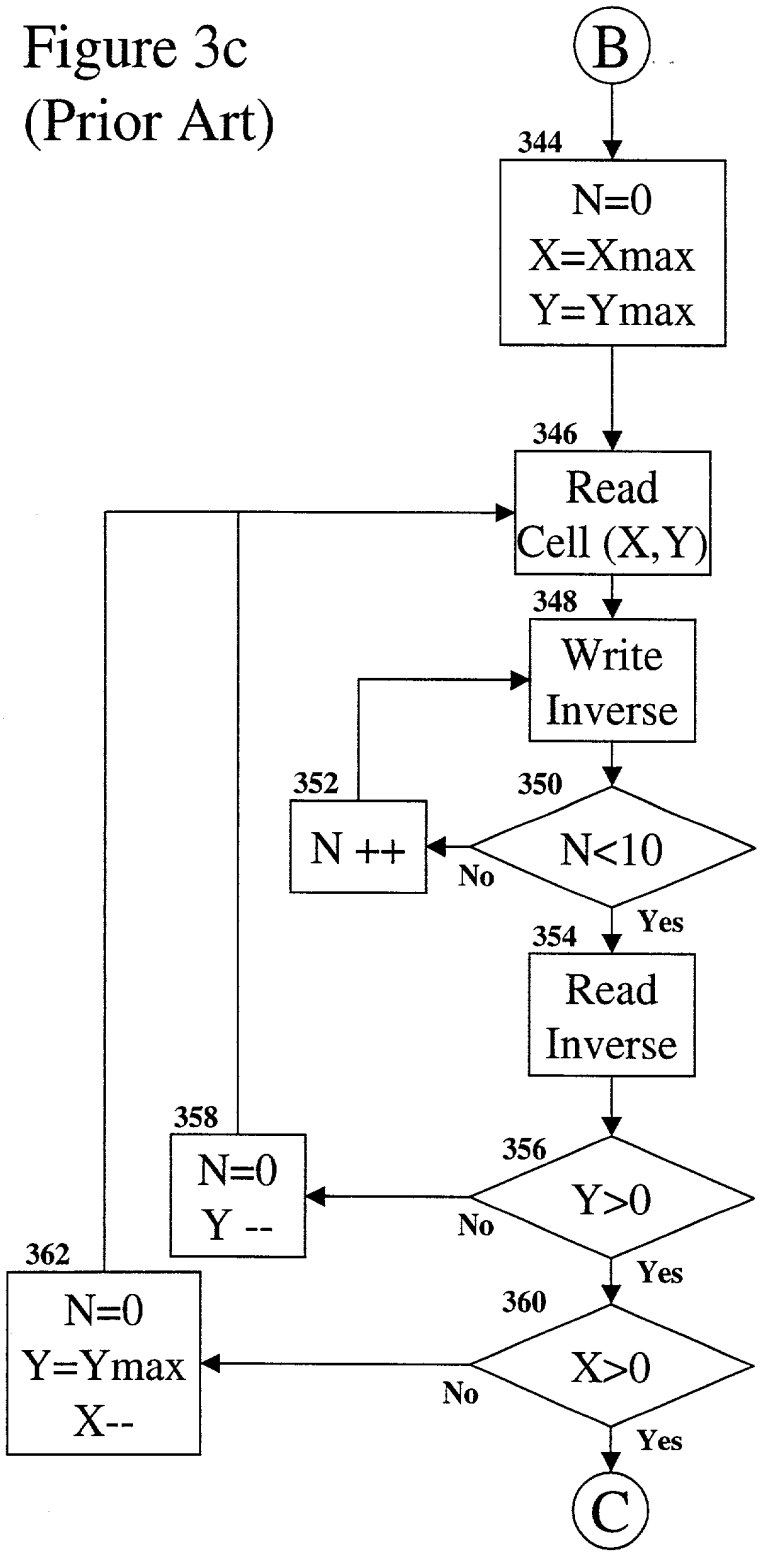


Figure 3d
(Prior Art)

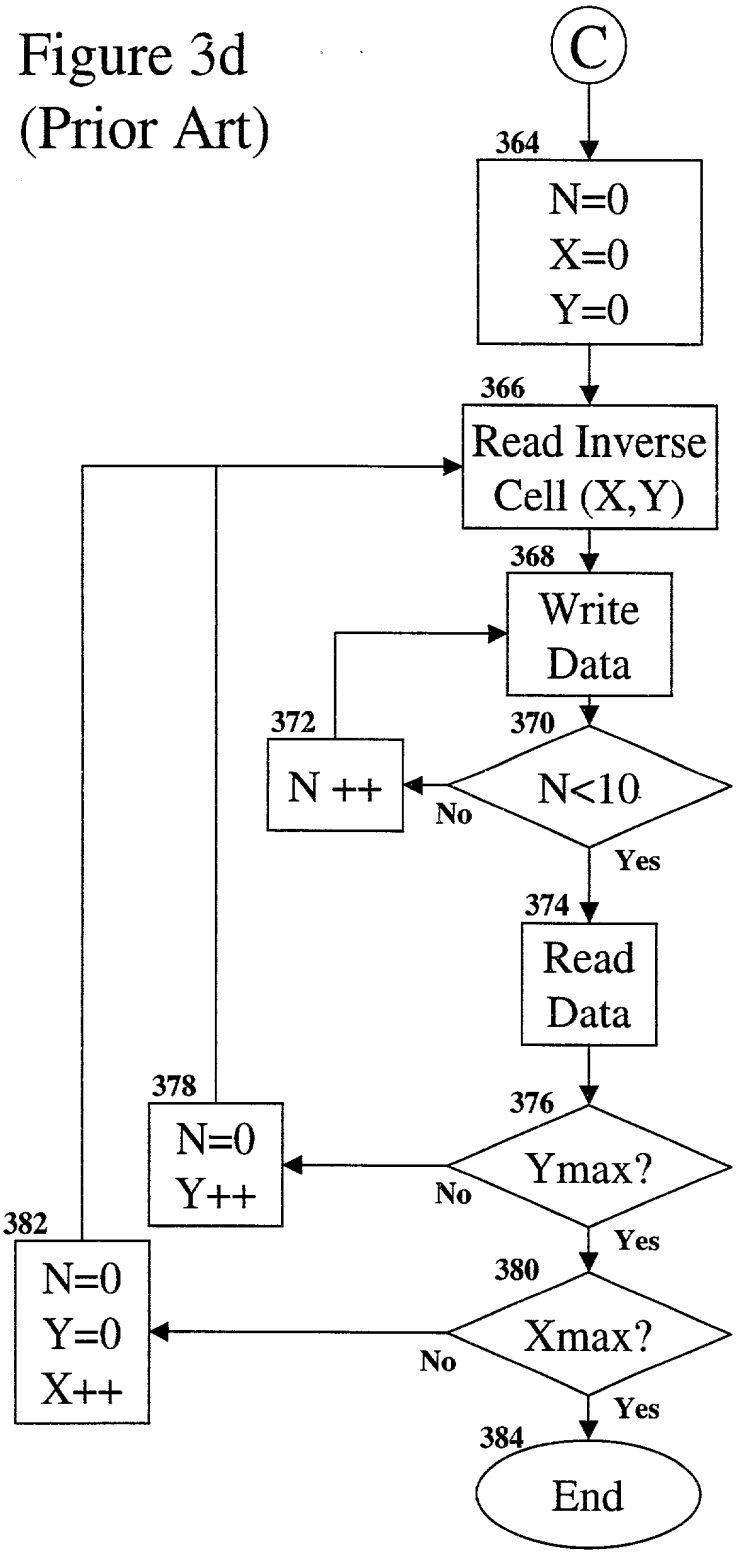


Fig. 4
(Prior Art)

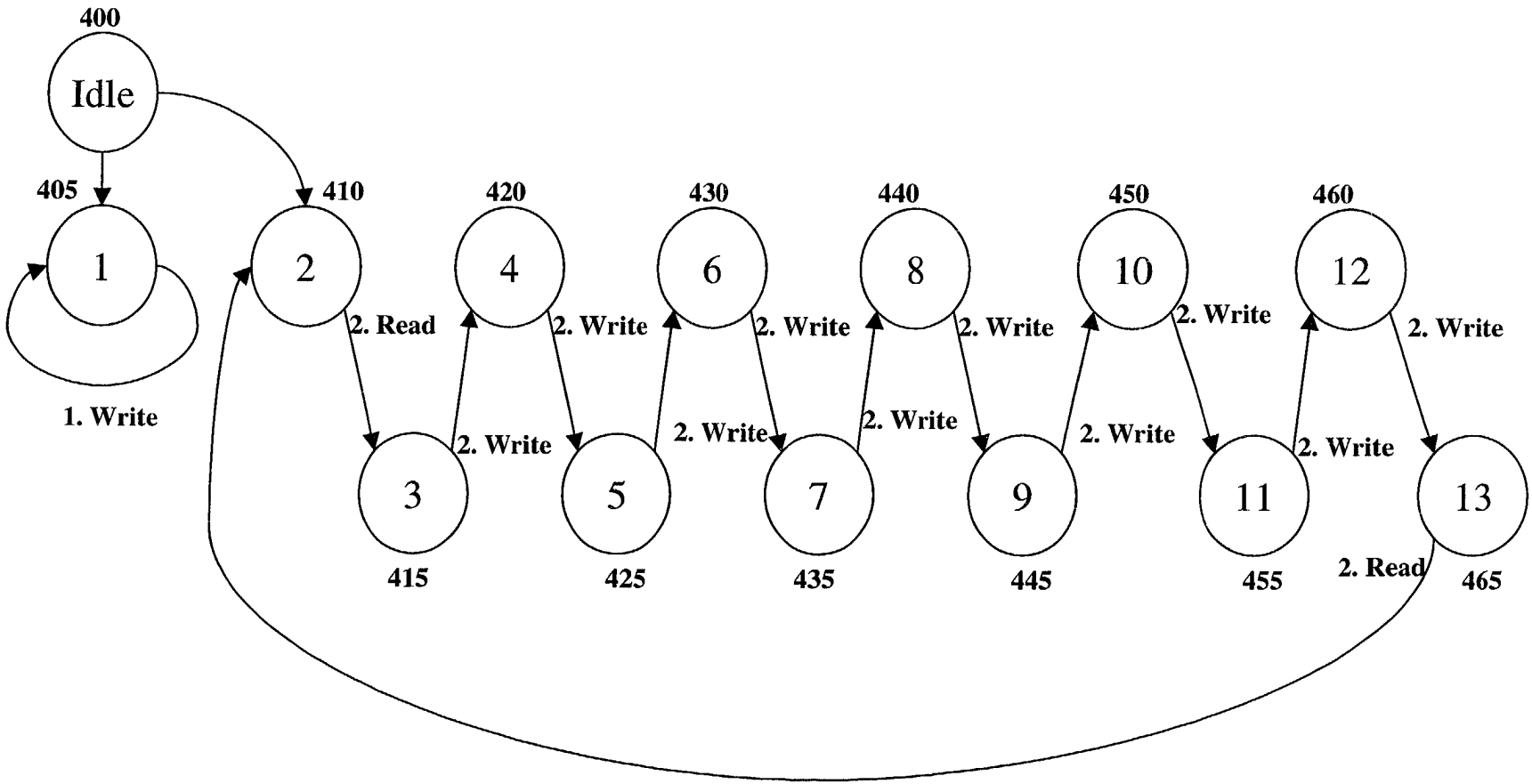


Fig. 5a

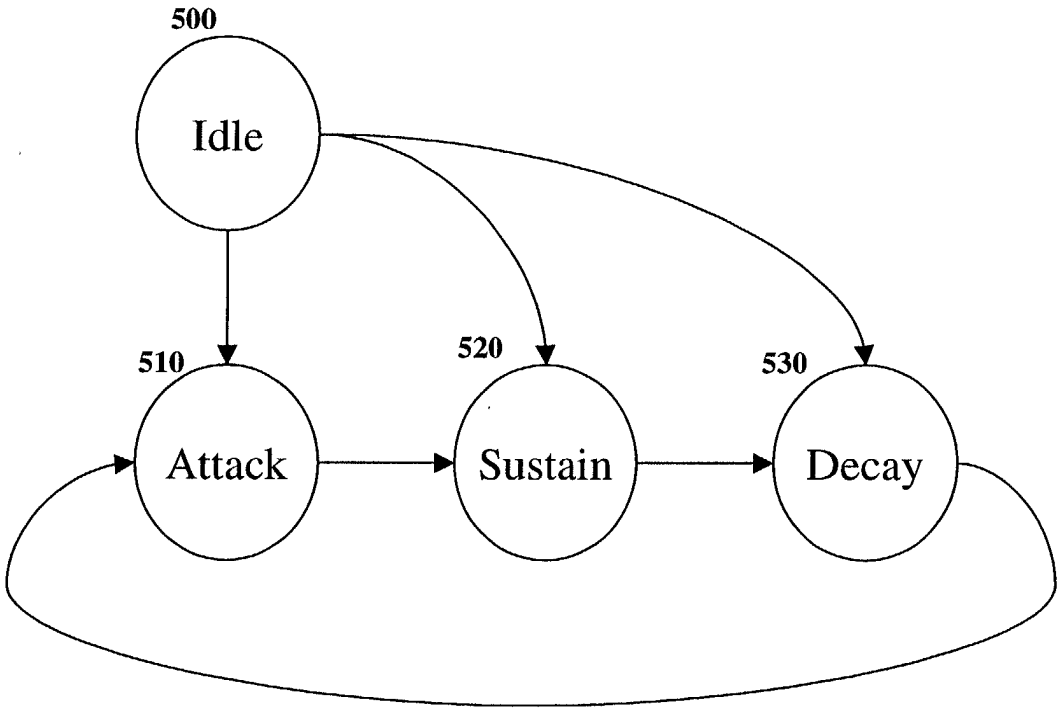


Fig. 5b

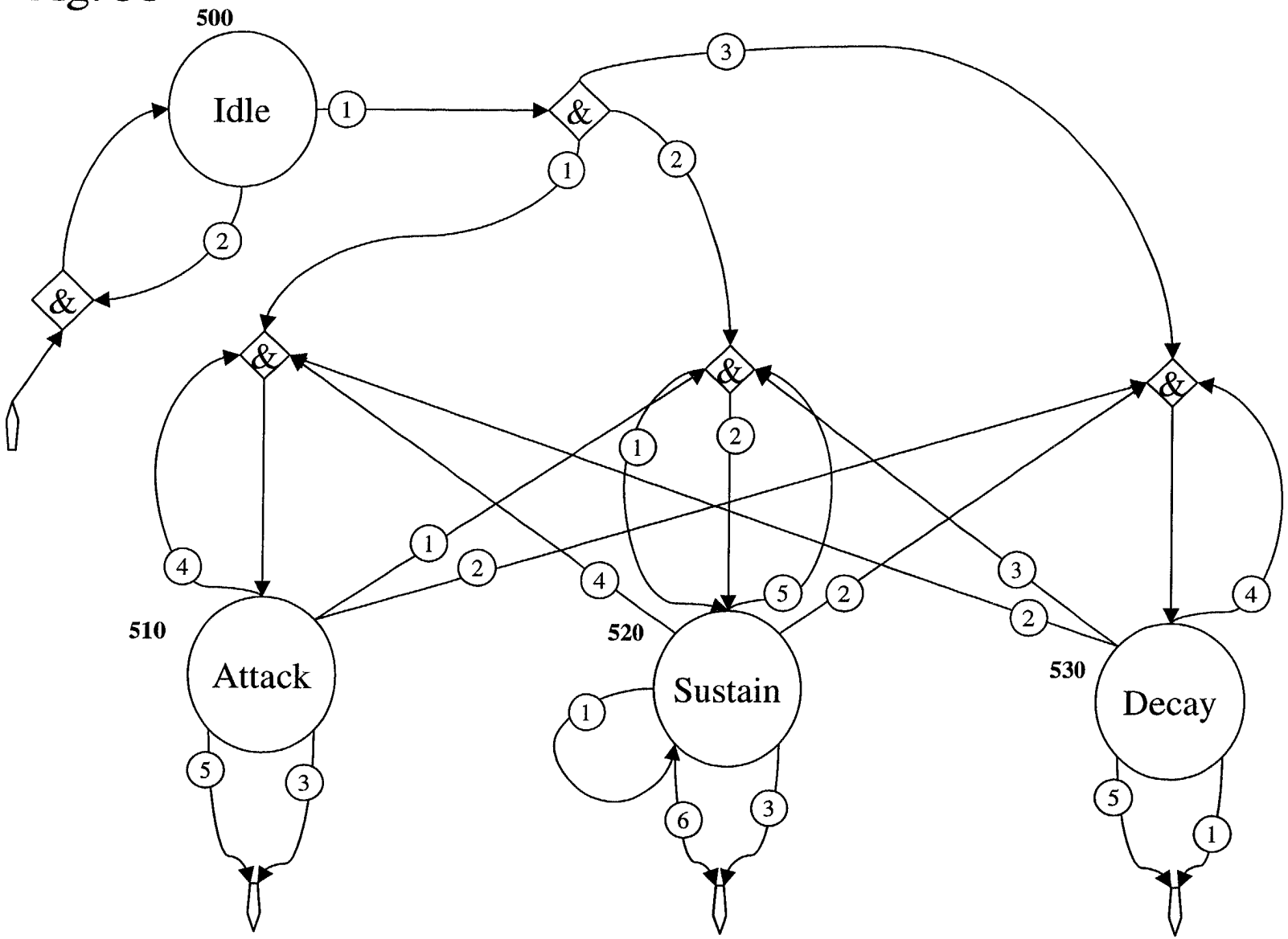

500
Idle
1
2
&
3
1
2
&
&
&
&
1
2
1
2
3
4
4
5
2
2
4
510
Attack
520
Sustain
530
Decay
5
3
1
6
3
5
1

Fig. 6a

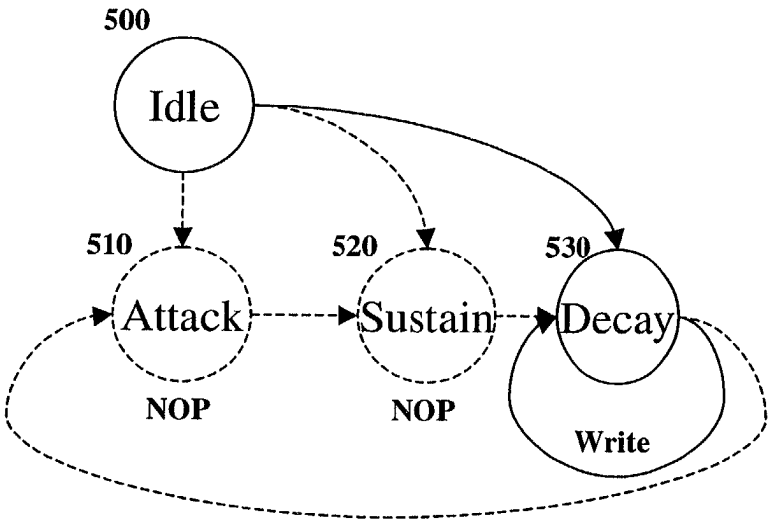

500
Idle
510
Attack
520
Sustain
530
Decay
NOP
NOP
Write

Fig. 6d

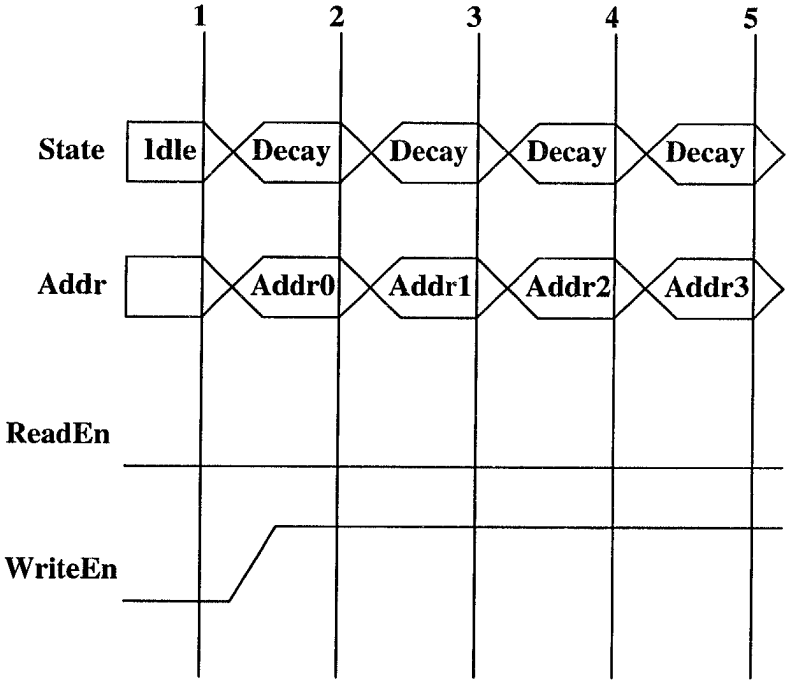

1
2
3
4
5
State
Idle
Decay
Decay
Decay
Decay
Addr
Addr0
Addr1
Addr2
Addr3
ReadEn
WriteEn

Fig. 6b

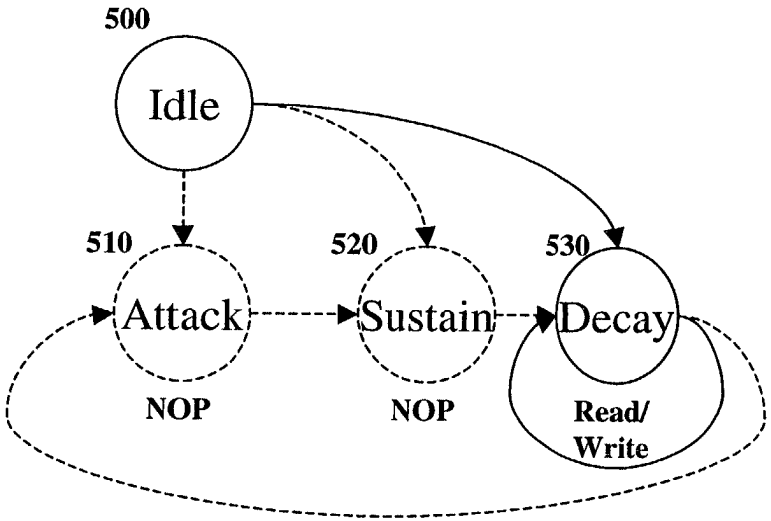

500
Idle
510
Attack
520
Sustain
530
Decay
NOP
NOP
Read/
Write

Fig. 6e

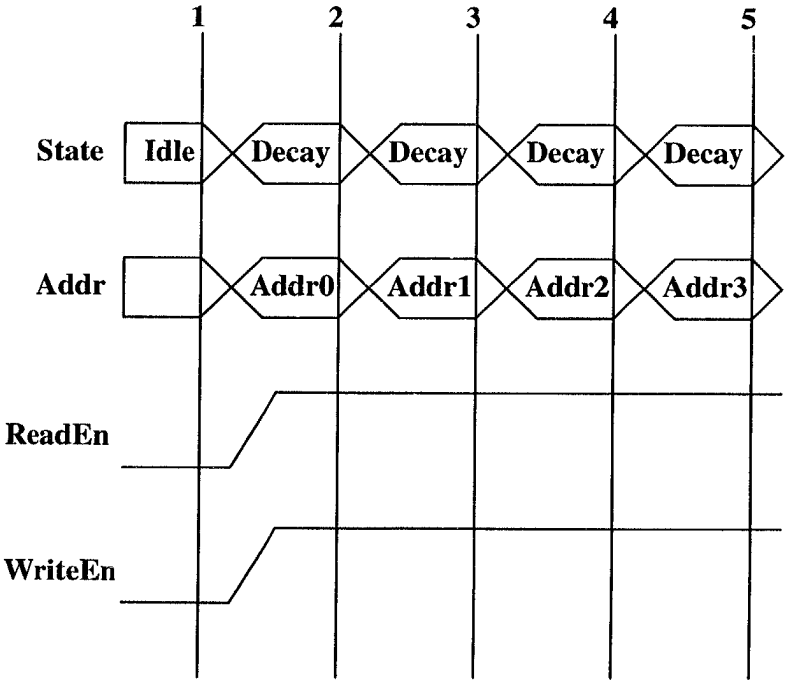

1
2
3
4
5
State
Idle
Decay
Decay
Decay
Decay
Addr
Addr0
Addr1
Addr2
Addr3
ReadEn
WriteEn

Fig. 6c

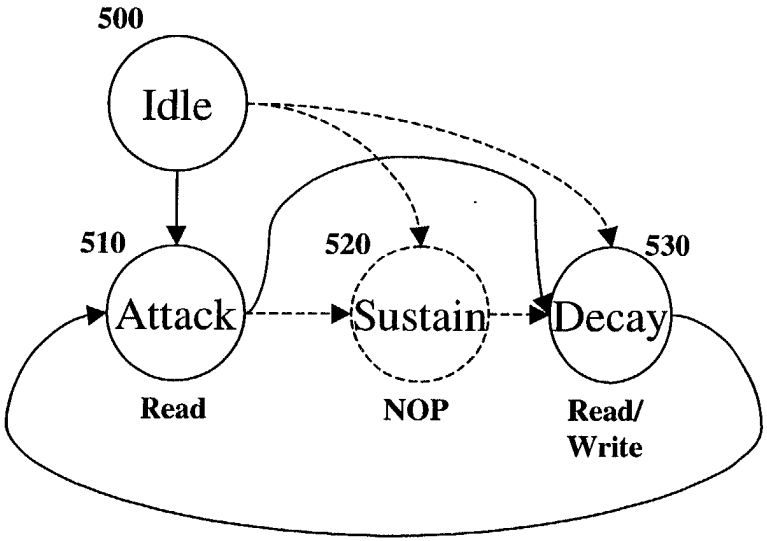

500
Idle
510
Attack
520
Sustain
530
Decay
Read
NOP
Read/
Write

Fig. 6f

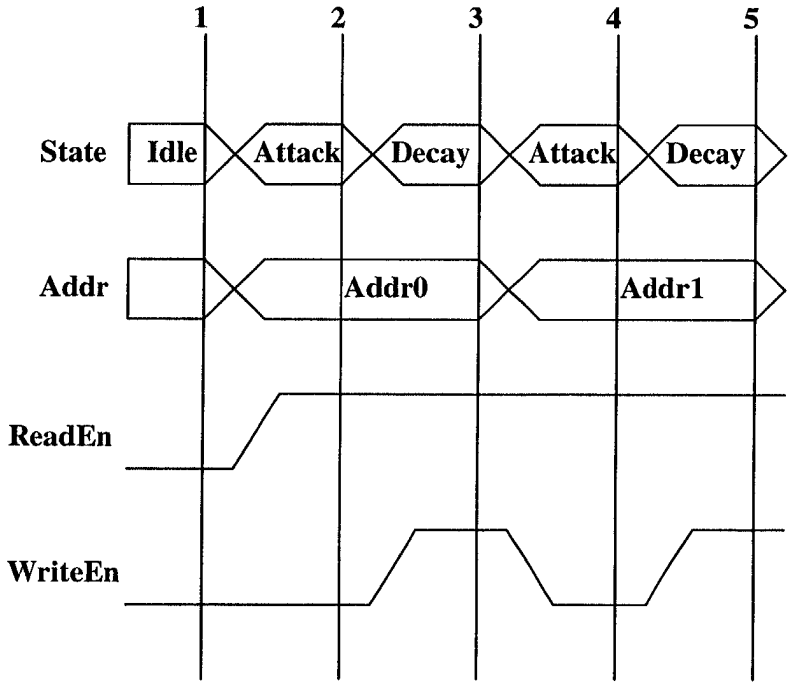

1
2
3
4
5
State
Idle
Attack
Decay
Attack
Decay
Addr
Addr0
Addr1
ReadEn
WriteEn

Fig. 7a

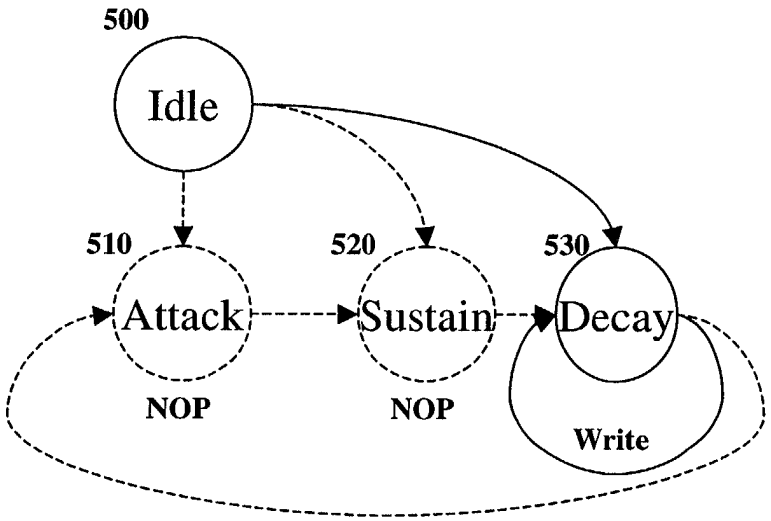
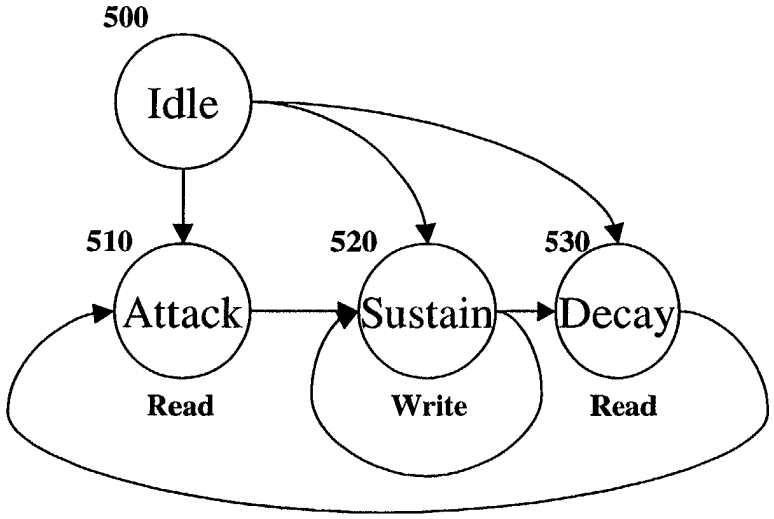

500
Idle
510
Attack
520
Sustain
530
Decay
NOP
NOP
Write

Fig. 7b


500
Idle
510
Attack
520
Sustain
530
Decay
Read
Write
Read